

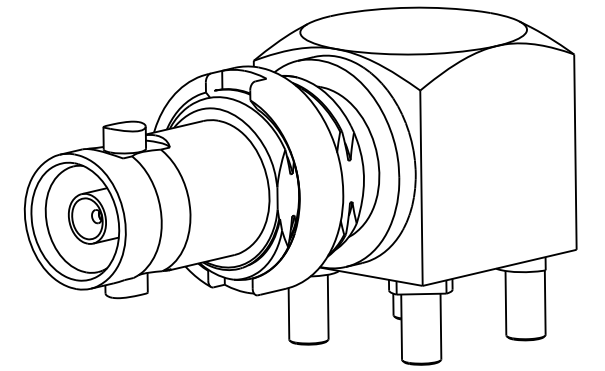
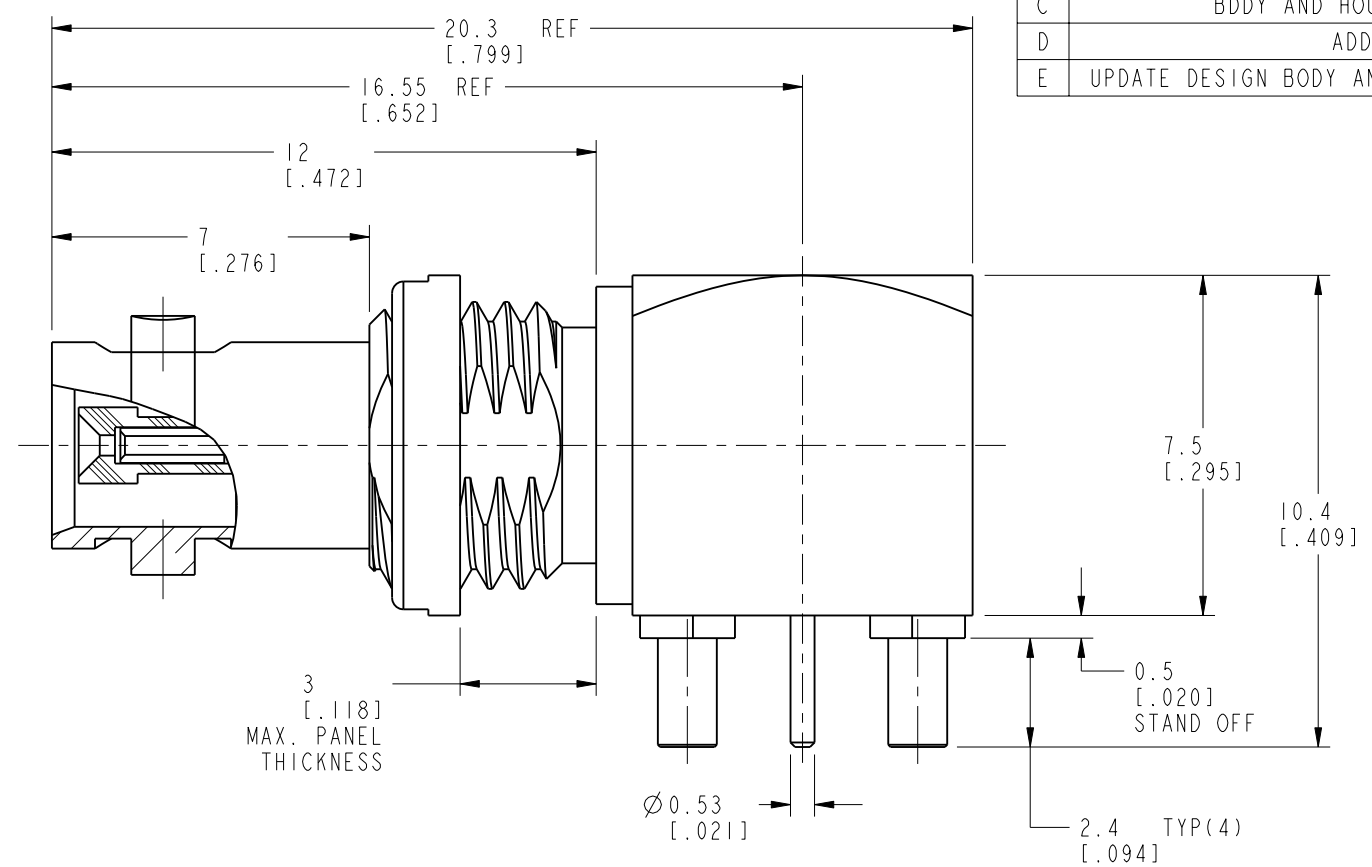
NOTES:

1. MATERIALS AND FINISHES:  
 BODY - BRASS, NICKEL PLATING  
 HOUSING - BRASS, GOLD PLATING  
 CONTACT - BeCu, GOLD PLATING  
 INSULATORS - PTFE, NATURAL
2. ELECTRICAL:  
 A. IMPEDANCE: 75 OHMS  
 B. FREQUENCY RANGE: DC - 4.5 GHz  
 C. RETURN LOSS : -25 dB MIN AT 3 GHz  
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.  
 E. INSULATION RESISTANCE: 10,000 MEGOHMS MIN
3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.
4. ENVIRONMENTAL:  
 A. THERMAL SHOCK PER MIL-STD-202 METHOD 107  
 TEST CONDITION B (EXCEPT HIGH TEMP @200° C)  
 B. VIBRATION: MIL-STD-202 METHOD 204 TEST CONDITION B  
 C. SHOCK: MIL-STD-202 METHOD 213 TEST CONDITION B  
 D. CORROSION: MIL-STD-202 METHOD 101  
 TEST CONDITION B 5% SALT SOLUTION
5. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 34-1030, AND DATE CODE"

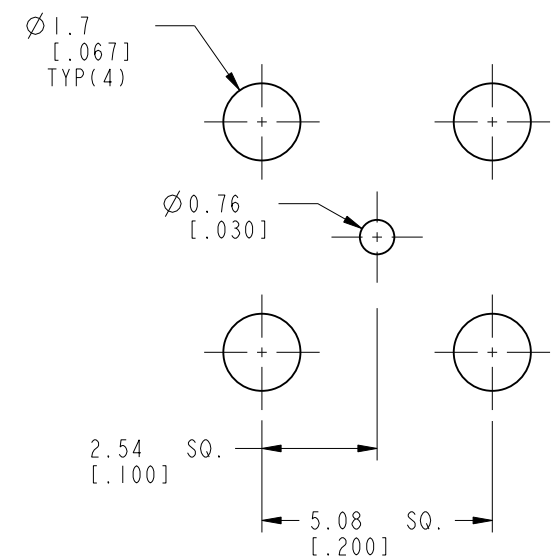
THIRD ANGLE PROJ.

REVISIONS

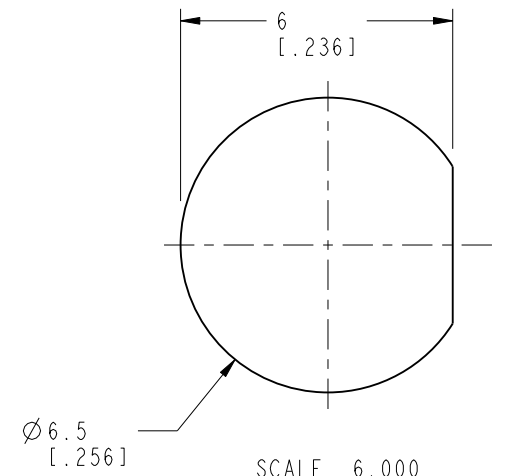
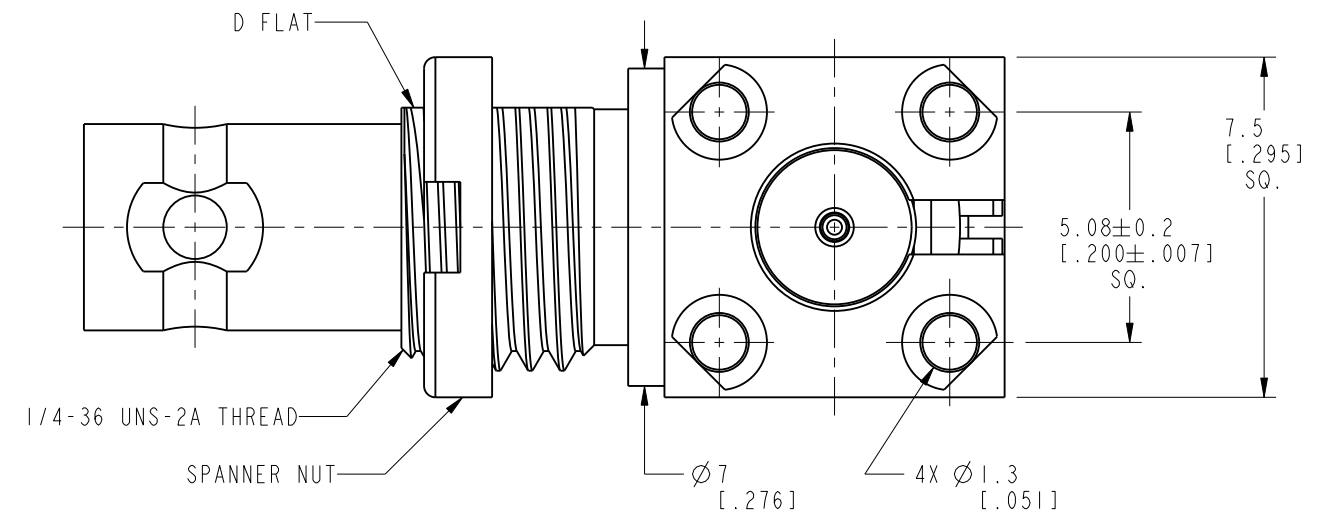
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASED TO MFG.	13-Oct-10	48270	PNE
B	REMOVED FORMING	09-Dec-10	48368	SH
C	BDDY AND HOUSING WERE CHANGED	10-May-11	--	SH
D	ADD FORMOVER	9/20/11	48780	JTS
E	UPDATE DESIGN BODY AND HOUSING, CAP WAS CHANGED	24-Oct-12	49222	DH



SCALE 4.000



**RECOMMENDED PCB LAYOUT**



**RECOMMENDED MOUNTING HOLE**

**CUSTOMER OUTLINE DRAWING**  
 ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1° NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the finishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com		
	SEE NOTES	T. DENG	24-Oct-12					HD BNC RA BHD JACK PCB MOUNT
	REFERENCE	ENGINEER	APPROVED	DATE	SCALE: 6.0:1.0		DRAWING NO. 34-1030	
	EAR # 4028	NISCHIT MV	D. HU	24-Oct-12	SHEET 2 OF 6		ITEM NO. 34-1030	
CONFIGURATION LEVEL:		CAD FILE		DWG SIZE		PART NO. 34-1030		
FINISH				B		REV E		



# CONFIGURATION-1

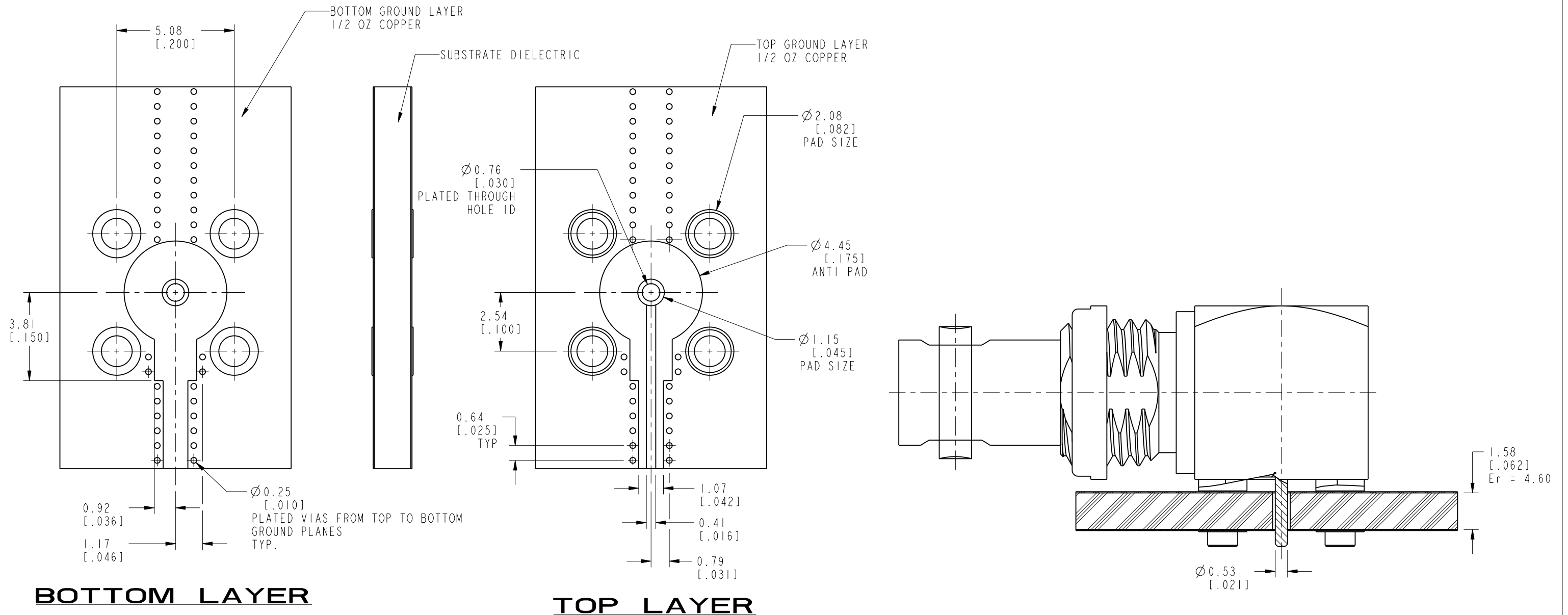
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## REVISIONS

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# RECOMMENDED PCB LAUNCH FOR OPTIMAL RF PERFORMANCE

VARIATIONS IN BOARD SUBSTRATE AND TRACE MAY REQUIRE DIFFERENT GEOMETRY



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	REFERENCE EAR # 4028	ENGINEER NISCHIT MV	DATE 29-Jun-10		
	CONFIGURATION LEVEL:	APPROVED D. HU	DATE 24-Oct-12	SCALE: 3.0:1.0   SHEET 4 OF 6	ITEM NO. 34-1030
	FINISH	CAD FILE		DWG SIZE B	REV E

THIRD ANGLE PROJ.

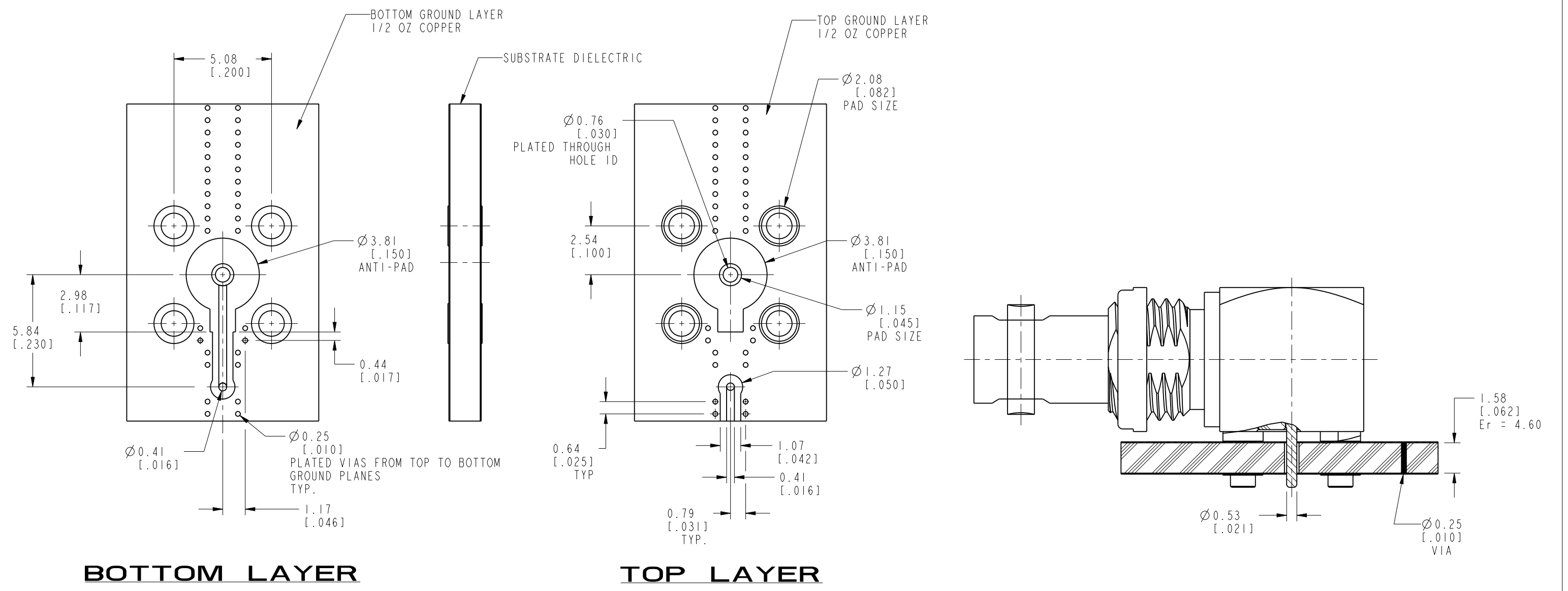
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**CONFIGURATION-2**

**RECOMMENDED PCB LAUNCH FOR OPTIMAL RF PERFORMANCE**

VARIATIONS IN BOARD SUBSTRATE AND TRACE MAY REQUIRE DIFFERENT GEOMETRY



**BOTTOM LAYER**

**TOP LAYER**

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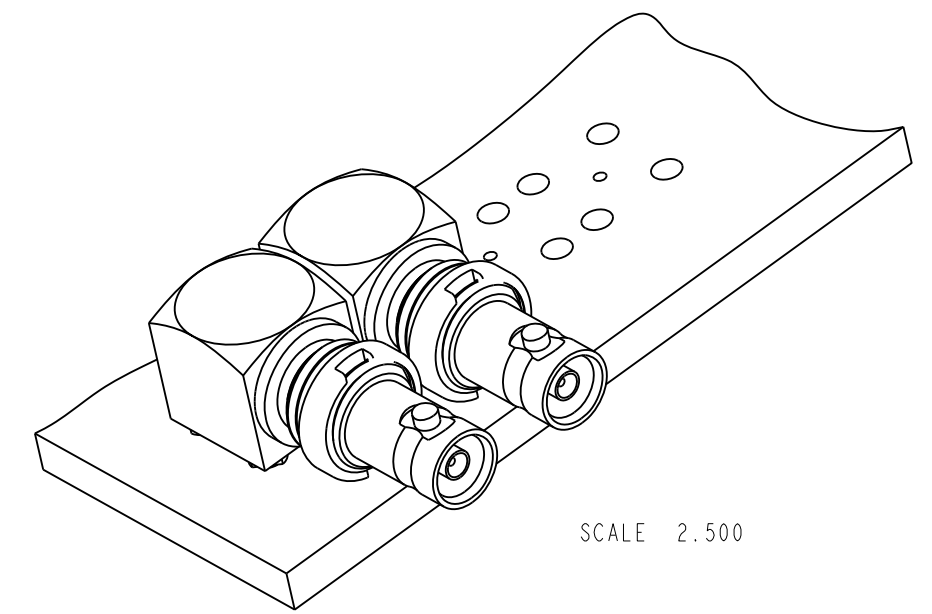
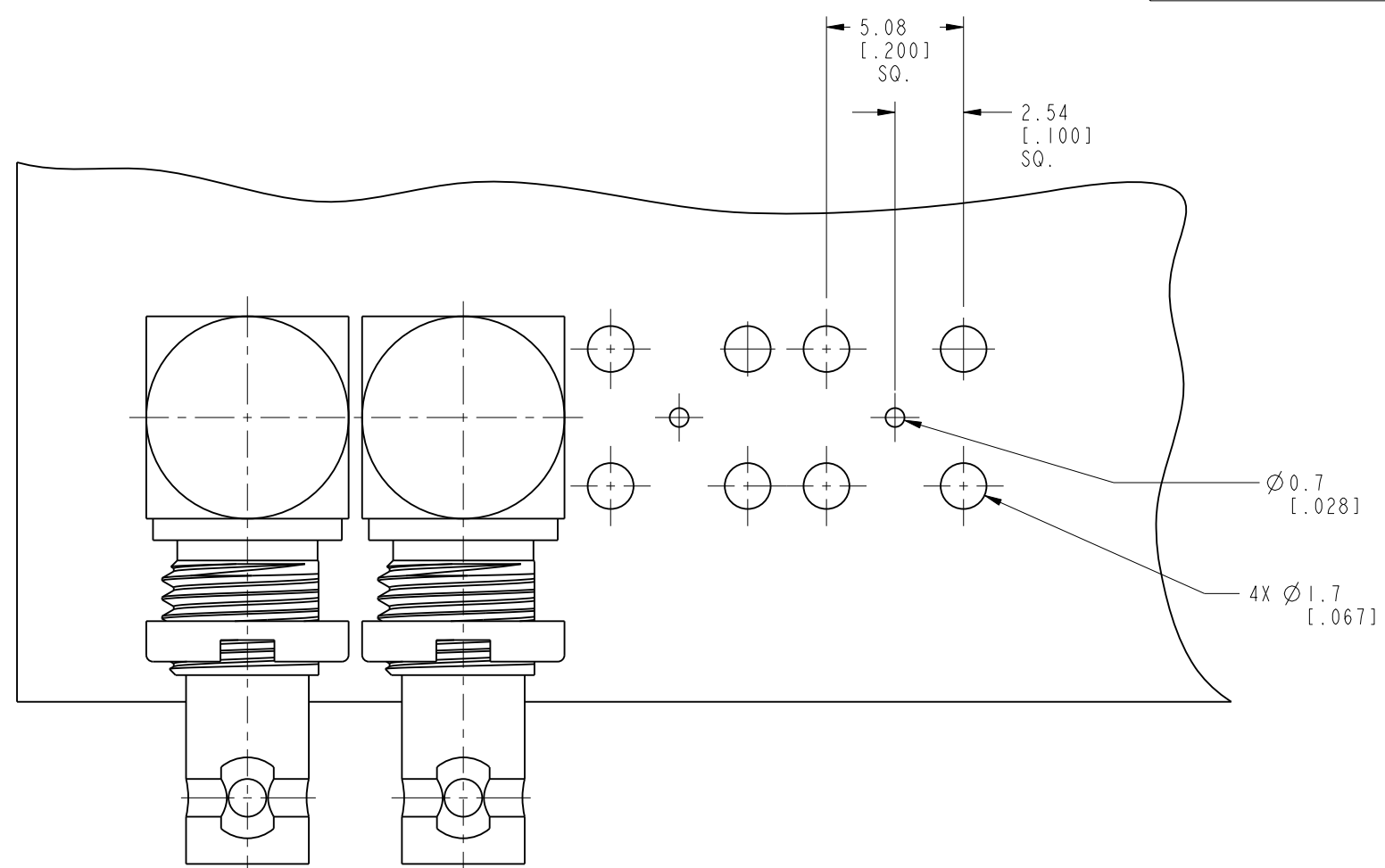
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MATERIAL	DRAWN	DATE	TITLE	Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
	T. DENG	24-Oct-12		
REFERENCE EAR # 4028	ENGINEER	DATE	HD BNC RA BHD JACK PCB MOUNT	DRAWING NO. 34-1030
	NISCHIT MV	20-May-10		ITEM NO. 34-1030
CONFIGURATION LEVEL:	APPROVED	DATE	SCALE: 0.8:1.0	SHEET 5 OF 6
	D. HU	24-Oct-12	DWG SIZE	REV
FINISH	CAD FILE		B	E
				PART NO. 34-1030

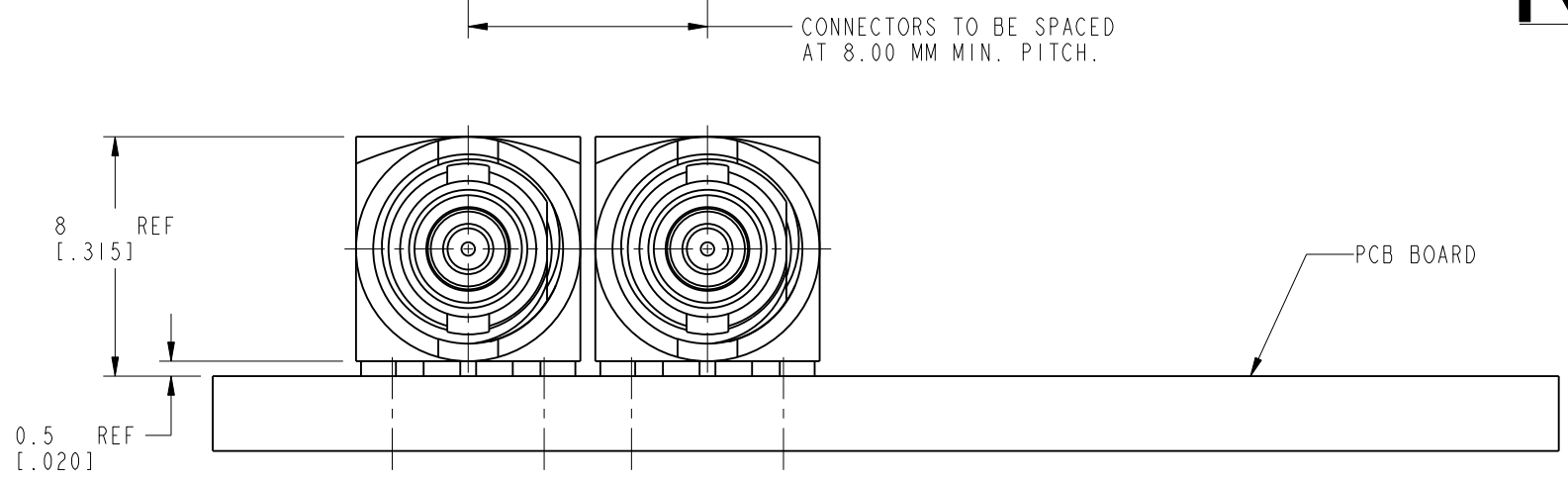
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# RECOMMENDED PCB MOUNTING HOLES



**CUSTOMER OUTLINE DRAWING**  
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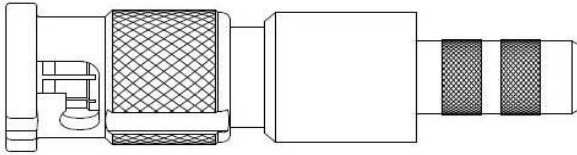
<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:          &lt;0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°</p> <p>NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the finishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.</p>	MATERIAL	DRAWN T. DENG	DATE 24-Oct-12	TITLE HD BNC RA BHD JACK PCB MOUNT	<p>Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com</p>
	REFERENCE EAR # 4028	ENGINEER NISCHIT MV	DATE 20-May-10		
	CONFIGURATION LEVEL:	APPROVED D. HU	DATE 24-Oct-12	SCALE: 7.8:1.0   SHEET 6 OF 6	ITEM NO. 34-1030
	FINISH	CAD FILE	DWG SIZE B	REV E	PART NO. 34-1030

# ASSEMBLY INSTRUCTIONS

AmphenolRF

## HD - BNC CRIMP PLUGS

REV - 1



PLUG BODY ASSEMBLY



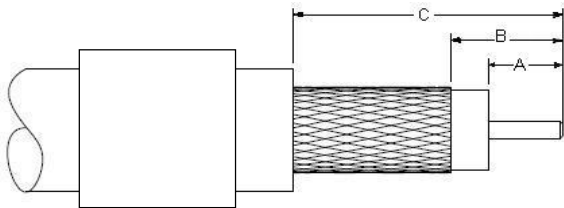
MALE CONTACT



OUTER FERRULE

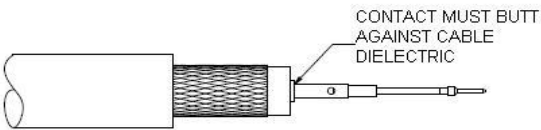
AMPHENOL NUMBER	CABLE	HEX CRIMP DATA			STRIPPING DIMENSIONS, INCHES (MM)		
		CAVITY FOR CONTACT	CAVITY FOR OUTER FERRULE	CTL SERIES TOOL NUMBER	A	B	C
34-1026	1855A, T8550A	0.042 (1.1) □	0.178 (4.6) ◊	CTL-15	0.156 (3.96)	0.233 (5.92)	0.562 (14.27)
34-1037	1855ENH, 0.6/2.8	0.042 (1.1) □	0.197 (5.0) ◊	-	0.156 (3.96)	0.250 (6.35)	0.594 (15.09)
34-1037-100	1855ENH, IMAGE 360, 1.0/4.8	0.042 (1.1) □	0.197 (5.0) ◊	-	0.156 (3.96)	0.250 (6.35)	0.594 (15.09)
34-1033	TFC HD 210	0.042 (1.1) □	0.213 (5.4) ◊	-	0.156 (3.96)	0.233 (5.92)	0.562 (14.27)
34-1027	1695A	0.042 (1.1) □	0.255 (6.5) ◊	CTL-14	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)
34-1025	1505A, T5050A, IMAGE 720, 0.8/3.7	0.042 (1.1) □	0.255 (6.5) ◊	CTL-14	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)
34-1017-300	1694A, T6940A, IMAGE 1000	0.042 (1.1) □	0.278 (7.1) ◊	-	0.156 (3.96)	0.235 (5.97)	0.564 (14.33)

### STEP 1



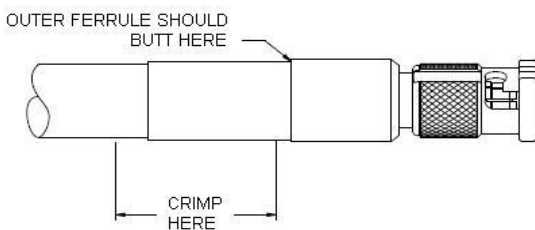
Step 1 - Strip cable jacket, braid, and dielectric to dimensions in table above. All cuts are to be sharp and square. Important : Do not nick braid dielectric and center conductor. Slide outer ferrule onto cable as shown.

### STEP 2



Step 2 - Flare slightly end of cable braid to facilitate insertion of inner ferrule. Place contact on cable center conductor so that it butts against cable dielectric. Crimp contact in place using die set cavity indicated in table above.

### STEP 3



Step 3 - Install cable assembly into body assembly so that inner ferrule portion slides under braid. Push cable assembly forward until contact snaps into place in insulator. Slide outer ferrule over braid and up against connector body. Crimp outer ferrule using die set cavity specified in table above.

**Use tool 227-T2000 (1 ft long) or 227-T2000-2FT (2 ft long) for installation and removal of the HD-BNC plug.**